



MISSOURI DEPARTMENT OF HEALTH AND SENIOR SERVICES  
STATE PUBLIC HEALTH LABORATORY  
**ALCO-SENSOR IV WITH PRINTER MAINTENANCE REPORT**

**RECEIVED**

REPORT #2

By Carol Day at 6:43 am, Jan 29, 2015

Complete this report in duplicate at the time of the regular monthly preventative maintenance.  
Send copy to Department of Health and Senior Services; retain original in department file.

ALCO SENSOR IV SN <u>030794</u>	PRINTER SN <u>84,9324.031</u>	DATE OF INSPECTION <u>1-27-2015</u>
LOCATION OF INSTRUMENT (STREET AND CITY) <u>1781 Zumbach Rd, St. Charles, Mo. 63303</u>		TIME OF INSPECTION

CHECKLIST: Place a mark in the box by each item if found to be satisfactory or if operating within established limits. (Write in observed values where determined.) Unmarked items must be corrected before using instrument.

☒ DIGITAL READOUT (ALL ELEMENTS OPERATIONAL) ok

☒ TEMPERATURE OF ALCO SENSOR (10°C - 40°C) ok

☒ PRINTER WORKING PROPERLY ok

☒ TIME AND DATE DISPLAYING PROPERLY ok

**BREATH ALCOHOL ACCURACY STANDARDS**

☒ SIMULATOR SOLUTION ☐ COMPRESSED ETHANOL-GAS MIXTURE

☒ STANDARD SUPPLIER Cuth Laboratories LOT # 14030 EXP. DATE 1-20-2016

☒ SIMULATOR TEMPERATURE (34°C ± 0.2°C) 34.0°C SIMULATOR SN SD2248 SIMULATOR EXP DATE 1-15-2016

☒ CALIBRATION CHECK - (ONLY ONE STANDARD IS TO BE USED PER MAINTENANCE REPORT)

Run three tests using a standard solution. All three tests must be within ±5% of the standard value and must have a spread of .005 or less. Check the box corresponding to the standard solution being used. (PRINTOUT ATTACHED)

- ☒ 0.100% STANDARD - MUST READ BETWEEN 0.095% and 0.105% INCLUSIVE  
☐ 0.088% STANDARD - MUST READ BETWEEN 0.076% and 0.084% INCLUSIVE  
☐ 0.040% STANDARD - MUST READ BETWEEN 0.038% and 0.042% INCLUSIVE

TEST 1 = <u>.098</u>	TEST 2 = <u>.097</u>	TEST 3 = <u>.098</u>
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☐ RFI DETECTOR OPERATING

INDICATE THE NUMBER OF BREATH TESTS IN THE FOLLOWING RANGES SINCE THE LAST MAINTENANCE REPORT:  
(DO NOT INCLUDE SELF-ADMINISTERED TESTS)

REFUSALS	<u>1</u>	(0-.04)	<u>1</u>	(.05-.09)	<u>0</u>	(.10-.14)	<u>0</u>	(.15-.19)	<u>3</u>	(OVER .19)	<u>5</u>
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List any new parts and describe any alteration or modification that was made to restore the instrument to operate satisfactorily and within established limits (use other side if necessary).

replaced 9V Duracell battery / D.A. 196 1-27-2015

**INSPECTING OFFICER**

SIGNATURE  
Daniel Allen

196

PRINT NAME  
Daniel Allen 196

ALCO-SENSOR IV SN  
030794

Return completed report to the: Breath Alcohol Program, MO Department of Health and Senior Services

2573 James Boulevard



**GUTH LABORATORIES, INC.**

690 NORTH 67th STREET • HARRISBURG, PA 17111-4511 • TELEPHONE: 717-564-5470

## CERTIFICATE OF ANALYSIS

Certified Alcohol Reference Solution for Simulator

Random Samples of Lot Number 14030 of Alcohol Reference Solution for Simulator were analyzed by gas chromatography on January 22, 2014, using a Perkin Elmer Gas Chromatograph Autosystem XL S/N: 610N9030209, and found to contain 0.1215% (w/vol) ethyl alcohol. The expiration date for this lot number is January 20, 2016 at 11:59 PM.

When used in a calibrated Simulator, operating at 34°C +/- .2°C, this solution will give a breath alcohol analysis instrument reading of 0.100 g/210L +/- 3%.

The alcohol and water used in this solution were free of test interfering substances.

Ted L. Pauley, President  
GUTH LABORATORIES, INC.

**NIST Traceability:**

Testing was conducted using Cerilliant Reference Standard lot number FN122211-02 whose values are traceable to NIST.

All balances are calibrated annually by an outside agency using NIST traceable weights. Calibration verification is done prior to each use utilizing NIST traceable weights.

Version no: 004C

TEST RECORD 01022

Temp Date Time 210L

Air Blank:

01/27/15 08:55 .000

Calibration Check:

22 01/27/15 08:55 .098

Subject Name

Subject I.D.

Operator Name, I.D.

Allen 196

Location

1781 Zumbach

St. Charles, Mo.

AS IV Serial no: 030794

Version no: 004C

TEST RECORD 01020

Temp Date Time 210L

Air Blank:

01/27/15 08:51 .000

Calibration Check:

21 01/27/15 08:51 .098

Subject Name

Subject I.D.

Operator Name, I.D.

Allen 196

Location

1781 Zumbach

St. Charles, Mo.

AS IV Serial no: 030794

Version no: 004C

TEST RECORD 01023

Temp Date Time 210L

Void: RFI

12 01/27/15 08:56

Subject Name

Subject I.D.

Operator Name, I.D.

Allen 196

Location

1781 Zumbach

St. Charles, Mo.

AS IV Serial no: 030794

Version no: 004C

TEST RECORD 01021

Temp Date Time 210L

Air Blank:

01/27/15 08:53 .000

Calibration Check:

22 01/27/15 08:53 .097

Subject Name

Subject I.D.

Allen 196

St. Charles, Mo.



STATE OF MISSOURI  
DEPARTMENT OF HEALTH AND SENIOR SERVICES  
BREATH ALCOHOL PROGRAM



**PERMIT**  
**TYPE II**  
**DANIEL ALLEN**

is hereby authorized to instruct and supervise operators, train instructors, inspect, calibrate, perform field service and repairs, and operate the following breath analyzer(s):

**ALCO-SENSOR IV WITH PRINTER, INTOX EC/IR II**

for the determination of the alcoholic content of blood from a sample of expired air. Permit issued under the provisions of sections 577.020 through 577.041, RSMo and 306.111 through 306.119 RSMo.

DATE 1/20/2015

NUMBER 256018

EXPIRES 1/20/2017

MO 580-0771 (6-10)

DIRECTOR OF STATE PUBLIC HEALTH LABORATORY

acting director

DIRECTOR OF DEPARTMENT OF HEALTH AND SENIOR SERVICES

LAB-4 (R5-10)

STATE OF MISSOURI  
DEPARTMENT OF HEALTH AND SENIOR SERVICES  
BREATH ALCOHOL PROGRAM

**INSTRUMENT OPERATOR CARD**

The named cardholder is authorized to operate an evidential breath alcohol instrument for the determination of the alcoholic content in breath form of expired air in Missouri.

Operator ALLEN DANIEL  
Permit No 256018  
Date Issued 1/20/2015 Date Expires 1/20/2017